

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Lee W Atkinson

Confirmation No.:

Application No.:

Examiner:

Filing Date: 04-19-2004

Group Art Unit:

Title: Computer Power Conservation Apparatus And Method

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EL977368034US

Date of Deposit 04-19-2004

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Crissy J. Salazar  
Typed Name: Crissy J. Salazar

Respectfully submitted,

Lee W Atkinson

By

David W. Boyd  
David W. Boyd

Attorney/Agent for Applicant(s)  
Reg. No. 50,335

Date: 04-19-2004

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	<b>200314319-1</b>		
	APPLICANT		
	<b>Lee Atkinson</b>		
	FILING DATE	GROUP	
	<b>04-19-2004</b>		

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,282,663	Aug. 28, 2001	Khazam	
	1B	5,625,826	Apr. 29, 1997	Atkinson	
	1C	5,996,083	Nov. 30, 1999	Gupta,et.al	
	1D	5,072,376	Dec. 10, 1991	Ellsworth	
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Erik Jacobsen,et.al, "Assigning Confidence to Conditional Branch Predictions", IEEE, 1996 pgs. 142-152.
1R	James E. Smith, "A Study Of Branch Prediction Strategies", IEEE, 1981, pgs. 135-148.
1S	Dah-Lih Jeng,et.al, "Context-Based Branch Prediction For High-Performance And Lower-Power Computing" National Defense University, Chung Cheng Institute of Technology, 8 pgs.

EXAMINER

DATE CONSIDERED

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	1L					
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## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Eui-Young Chung, et. al, "Dynamic Power Management Using Adaptive Learning Tree", IEEE 1999, pgs. 274-279.
1R	Jayanth Srinivasan, et. al, "Predictive Dynamic Thermal Management For Multimedia Applications", ICS'03, June 23-26, 2003, San Francisco, California, Copyright 2003, pgs 109-120.
1S	Daniel Chaver, et. al, "Branch Prediction On Demand: an Energy-Efficient Solution", ISLPED'03, August 25-27, 2003, Seoul, Korea, Copyright 2003, pgs. 390-395.

EXAMINER

DATE CONSIDERED